

SAP Enterprise Product Development

Intelligent Development for Innovative Products

Felix Reichle, SAP April 23rd 2021

PUBLIC



Agenda

- Key Capability Features & Benefits
- Collaboration Apps & General Features
- Use Cases
- Capability in Detail



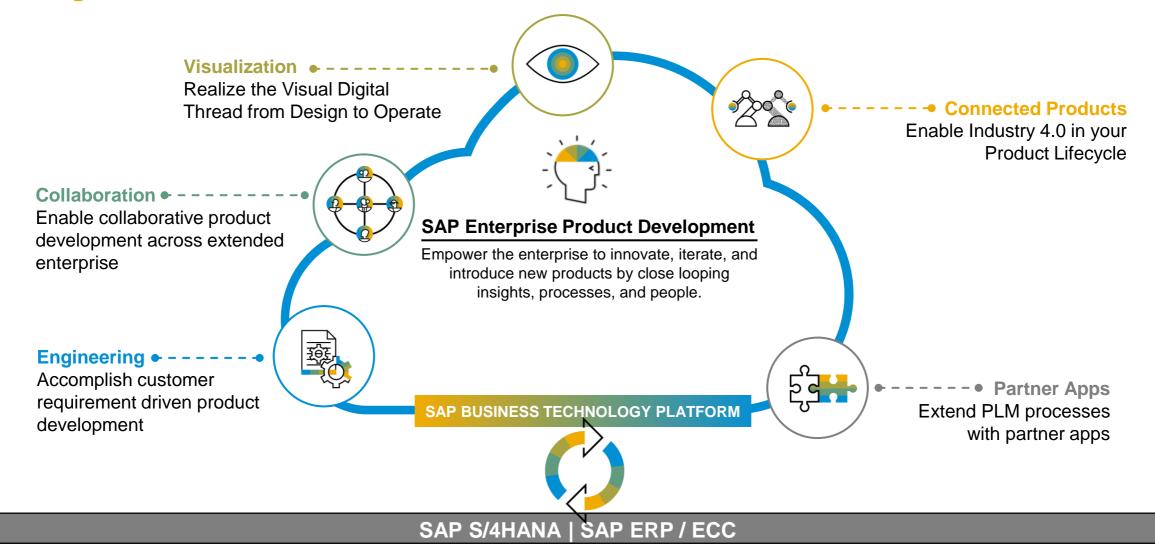
SAP Enterprise Product Development Solution Overview



SAP Enterprise Product Development



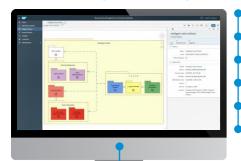
Reimagine Innovation



SAP Enterprise Product Development

Capabilities and Key Features

Engineering



Requirements Acquisition

Requirements Management

Functional Structure Management

Impact & Lineage Analysis

Test Planning & Execution

Manage Test Artefacts & Results



Requirements Driven Engineering Collaboration

Share Documents

Collaborate on Structured Product Data incl BoM

Collaborate on Changes

Comments



Visualization



Simplified User Experience

Import, Browse & Share 2D / 3D / 360 Panoramas

Visual Data Integration

Author, Edit & Enhance Visualizations

Role-based Visual Application Templates

3D Visual Work Instructions



Simulation Based Digital Twin

Virtual Sensors

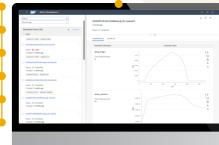
Health Prediction

What-If Simulation

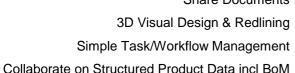
Dynamic 3D Visualization

Collaboration with OEMs









Supplier Collaboration

Collaboration

Based on our customer projects, we have identified recurring key challenges, many stemming from a fast-moving market environment.



Team Interaction



Access to Information



Organizational Silos



Team Productivity

Constrained collaboration and limited team Interaction in today's Enterprises.

Lack of a secure collaboration environment to share sensitive data from backend systems.

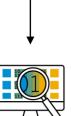
Diverse product stakeholder group (e.g. design partners, manufacturers & suppliers).

Limited insights & control how products information is shared and worked on.

As part of SAP Enterprise Product Development, Collaboration is responding to these challenges supporting digital transformations.

Team Interaction

Constrained collaboration and limited team Interaction in today's Enterprises.



& business execution
supported with a Process
Driven (Workflow based)
approach

Access to Information

Lack of a secure collaboration environment to share sensitive data from backend systems.



Drive efficiency with single source of truth for collaboration on all types of product data in a secure manner

Organizational Silos

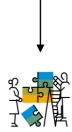
Diverse product stakeholder group (e.g. design partners, manufacturers & suppliers).



collaborate with extended enterprise incl. suppliers, design partners, contract manufacturers.

Team Productivity

Limited insights & control how products information is shared and worked on.



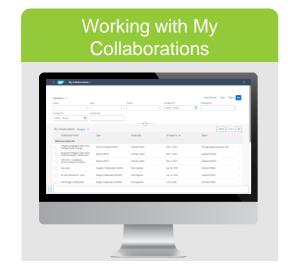
Gain actionable insights
for all collaborations,
work on redlining's &
mark ups on 3D product
visuals

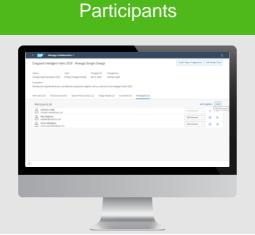
Collaboration Apps& General Features



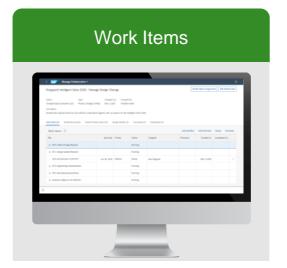
Key Features

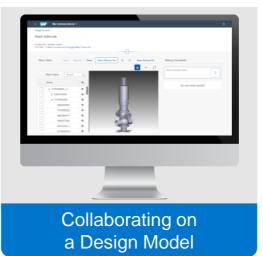
SAP Enterprise Product Development – Collaboration

















Collaboration Apps

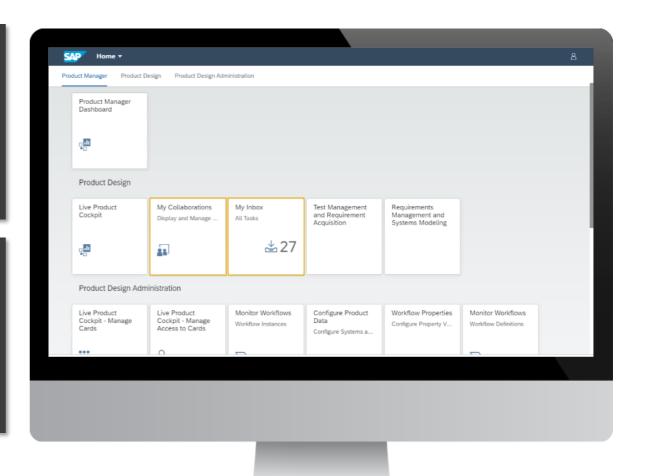
for SAP Enterprise Product Development – Collaboration

My Collaborations

Display and manage Collaborations

My Inbox

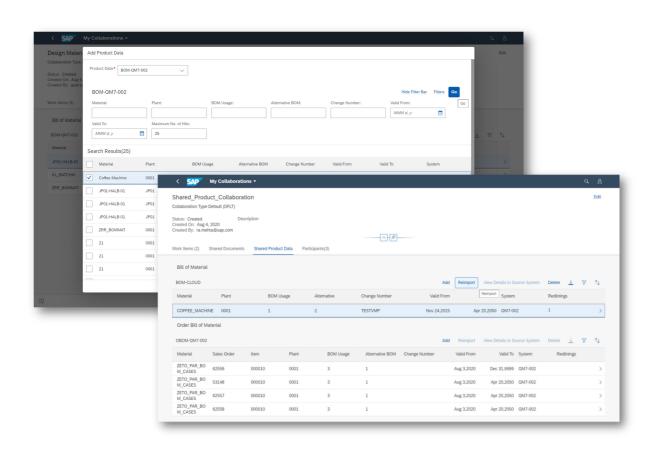
Display and manage work items added from collaborations



Recent Innovations



S/4 Hana Cloud Support in Collaboration

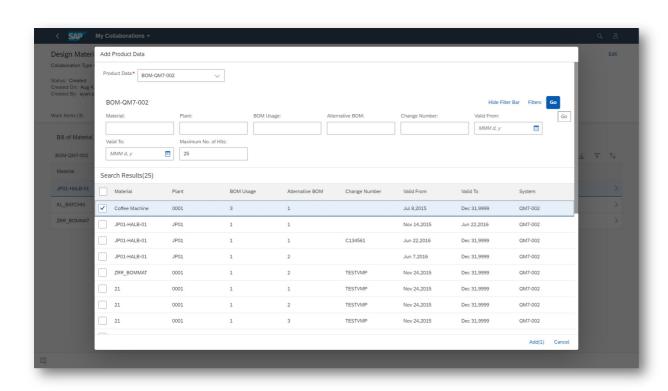




Highlights

- Add Bill of Material Data from an S/4 Hana Cloud System into Collaboration
- View Details for the BOM in Source System from Collaboration
- Add Redlining to S/4 Hana Cloud BOM

Order-BOM Support in Collaboration

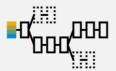




Highlights

- Add Order bill of materials (Order BOM) from SAP S/4HANA into collaborations
- Add, re-import, sort, filter, and delete Order BOMs in collaborations
- Perform redlining on Order BOM items in collaborations

Process Variant





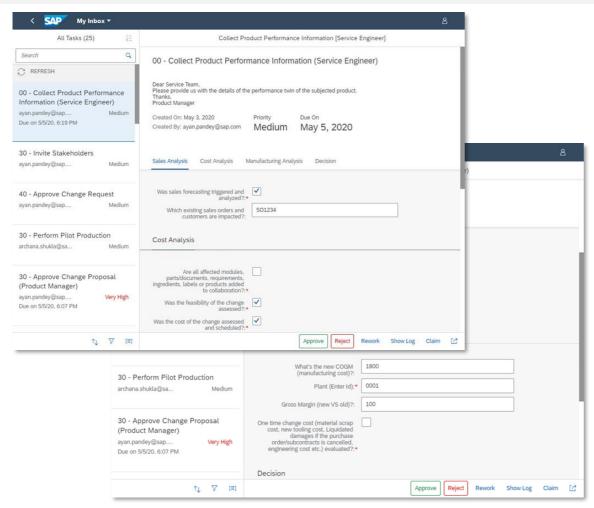


Highlights

- Configuration of process variants for LoB experts, process extensions, decisions and responsibilities.
- Based on the business variations and level of complexity, you can create your own Process Variants, from standard or customizable set of processes, via simple drag and drop

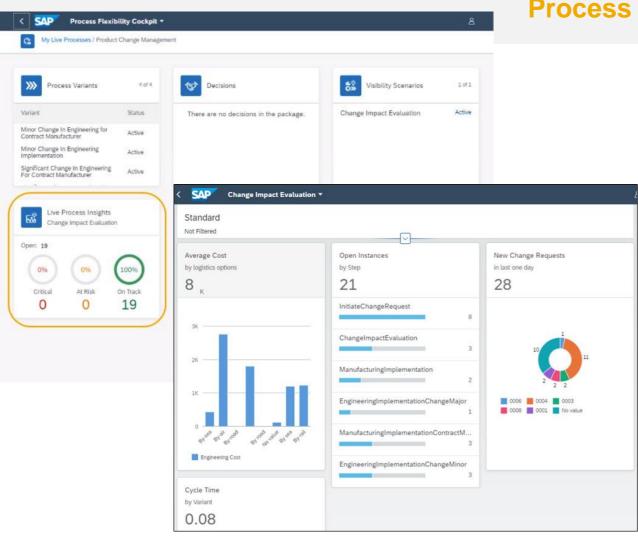
Workflow Forms







- Capture structured feedback for recurring process tasks in your organization
- Tasks can be claimed by an individual form a group of people
- Allows to capture mandatory input before completing or approving a task to ensure crucial information documentation





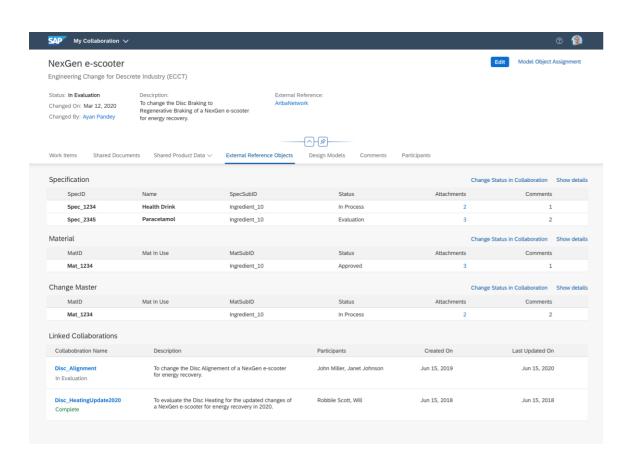


Highlights

- Gain end-to-end process visibility
- Always know how processes are running and gain an overview on status progress and further key information in one view.
- Enable real-time process management
- Based on the configured key performance indicators, evaluate e.g. the change status

External Reference Objects



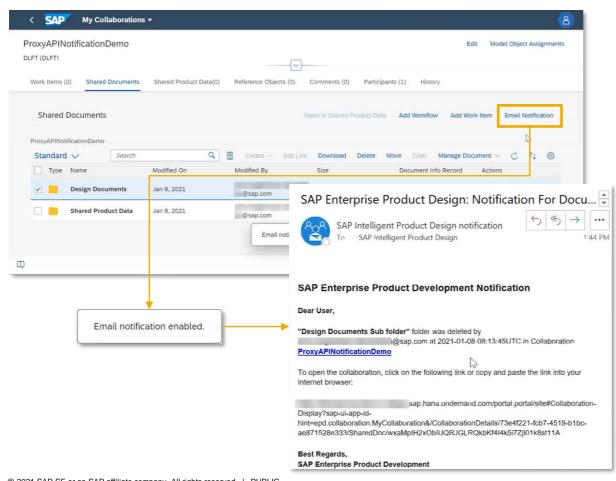




Highlights

- Link Objects from other EPD capabilities to a Collaboration e.g. Provisional Specifications or Engineering Objects from the Collaboration UI
- Configure and enable any external reference and assign them to Collaboration Types
- Add external reference objects from other applications to a Collaboration using the provided API
- Enable Navigation to objects in external applications

Notification on Document Events

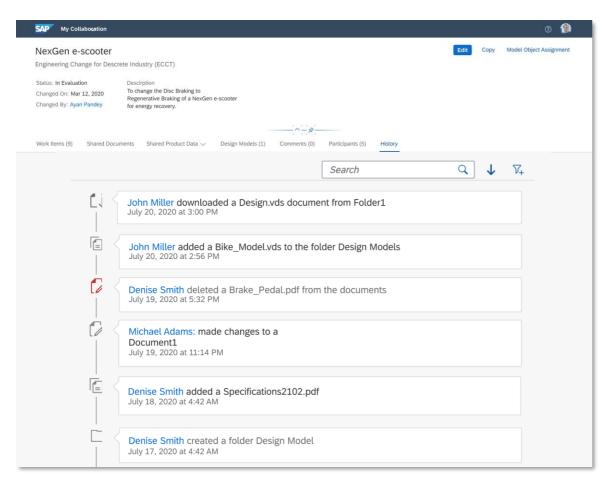




Highlights

- Improved document driven collaboration without requiring Workflow definition
- Users can subscribe to favorite documents or Folders and receive an instant notification on document changes
- Allow navigation to the relevant Document and collaboration context directly from the email notification

Collaboration Activity Logging and Traceability

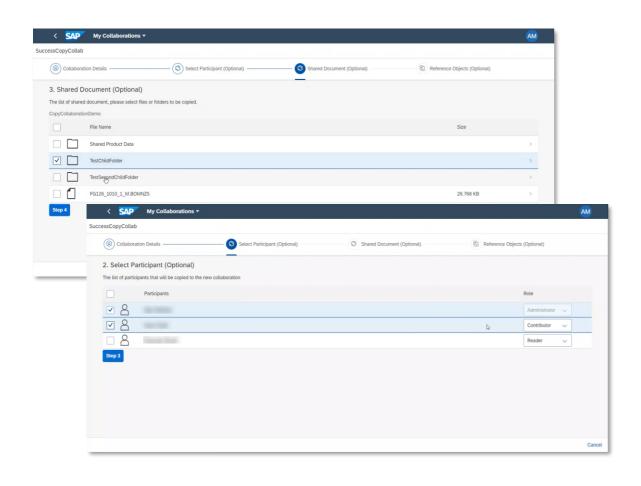




Highlights

- Enable Traceability and Auditability of Collaborations through event logging.
- Ensure document receipt for third parties
- Control and ensure traceable access to e.g. confidential documents.
- Gain awareness of recent activities in Collaborations at one glance

Copy Collaboration





- Allow copying of one collaboration to one or multiple copies using a wizard to pick content and participants to take over.
- Set up individual collaborations for multiple suppliers e.g. in Purchasing scenarios where every supplier has the same set of Documents and Information available.

Extensibility & Integration through API's



Integrate using Public APIs

for SAP Enterprise Product Development – Collaboration

Idea / Requirements

Early Engineering

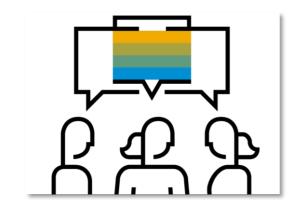
Detailed Design

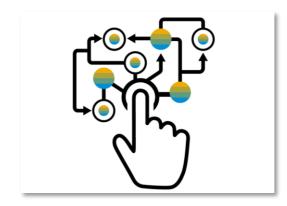
Prototyping

Production

Operate









Integrate Collaboration

Integrate with SAP Enterprise Product Development – Collaboration option using OData APIs

Create & Invite

Create and manage collaborations and invite participants or user groups to collaborations

Manage Workflows

Manage workflows for collaborations

Retrieve List

Get a list of collaborations, participants and workflows

Roadmap

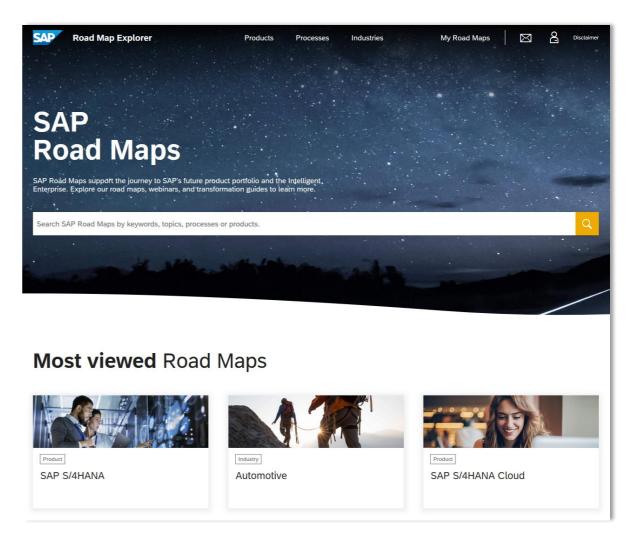


SAP Road Map Explorer

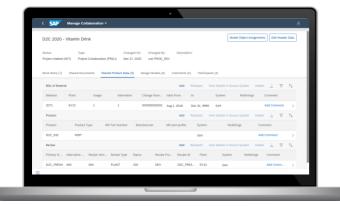


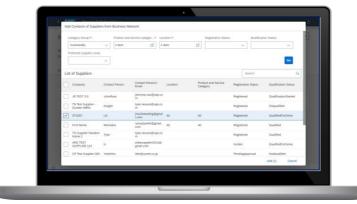
Stay up to date with our latest innovations in the SAP Road Map Explorer

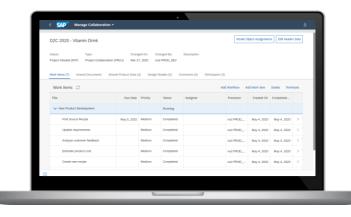
Discover Now



Realize the Collaboration Digital Thread from Design to Operate









Consistent Collaboration

Establish single source of truth for collaboration on unstructured and structured product data



Extended Enterprise processes

Collaborate seamlessly to support processes in product development, sourcing & beyond across the extended enterprise



Actionable Insights

Empowering product developers & users with insights to act in the moment

Thank You.



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